



AMENDMENTS

IN THE CLAIMS

Please cancel claims 1-27, 42, 43, 48-66, 68-103 and 108, and amend claims 104, 105, 107 and 109-115. The claims and their current status are provided below.

1.-103. (Cancelled)

104. (Currently Amended) An anastomosis ~~connector system~~ for connecting a tubular graft to a blood vessel ~~or hollow body organ~~ comprising:

a catheter; and

a connector sized for delivery through the catheter, the connector comprising:

an annular structure configured for positioning within the tubular graft and for providing fluid communication between the tubular graft and the vessel ~~or organ~~, and

at least one compressible member extending from a distal end of the annular structure, the at least one compressible member having a first segment and a second segment,

the first segment being configured to engage a first portion of interior surface of the vessel wall ~~or organ~~,

the second segment being configured to engage a second portion of interior surface of the vessel wall ~~or organ~~, a distal end of the second segment being attached to a distal end of the first segment, and

the compressible member being radially deformable between a reduced profile and an expanded profile, ~~the first and second segments are curved~~ wherein the compressible member is configured to provide fluid communication between the graft and the vessel when the compressible member is in the expanded profile.

105. (Currently Amended) The ~~connector system~~ of claim 104, the connector further comprising a plurality of additional compressible members, each of the additional compressible members being radially deformable between the reduced profile and the expanded profile.

106. (Cancelled)

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107. (Currently Amended) The ~~connector~~ system of claim 104 wherein the compressible member expands from the reduced profile to the expanded profile upon removal of a ~~constraining force~~ the catheter.

108. (Cancelled).

109. (Currently Amended) The ~~connector~~ system of claim 104 wherein the compressible member is radially self-expanding from the ~~first~~ reduced profile and the expanded profile.

110. (Currently Amended) The ~~connector~~ system of claim 104 wherein the compressible member is comprised of a memory elastic material.

111. (Currently Amended) The ~~connector~~ system of claim 110 wherein the memory elastic material is selected from the group consisting of stainless steel, nickel titanium, and thermoset plastic.

112. (Currently Amended) The ~~connector~~ system of claim 104 wherein the expanded profile of the compressible member defines a radially enlarged profile.

113. (Currently Amended) The ~~connector~~ system of claim 112 wherein the radially enlarged profile is substantially circular.

114. (Currently Amended) The ~~connector~~ system of claim 104 wherein the expanded profile of the compressible member is configured to conform to and buttress the interior surface of the vessel wall ~~or organ~~.

115. (Currently Amended) The ~~connector~~ system of claim 104 wherein the first and second segments define a loop configuration.